Access DB# 70504

#### SEARCH REQUEST FORM

#### Scientific and Technical Information Center

Requester's Full Name: Art Unit: Phone Mail Box and Bldg/Room Locat	e Number 30	Examiner # :  Serial Number:  Results Format Preferred (circle	Date:
If more than one search is sub	omitted, please pric	oritize searches in order of n	eed.
************  Please provide a detailed statement of t Include the elected species or structure utility of the invention. Define any ten known. Please attach a copy of the cov	he search topic, and desc s, keywords, synonyms, a ms that may have a speci	cribe as specifically as possible the su acronyms, and registry numbers, and al meaning. Give examples or releva	bject matter to be searched.
Title of Invention:			
Inventors (please provide full names)			
Earliest Priority Filing Date:			
*For Sequence Searches Only* Please in appropriate serial number.	clude all pertinent informa	tion (parent, child, divisional, or issued p	patent numbers) along with the
		Refere Biotechnology CM1 1E07	n Delaval nce Librarian v & Chemical Library v = 703-308-4498 vai@uspto.gov
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STAFF USE ONLY	Type of Search  NA Sequence (#)	Vendors and cost w	
Searcher: Searcher Phone #:	AA Sequence (#)	Dialog	
Searcher Location:	Structure (#)	Questel/Orbit	
Date Searcher Picked Up:	Bibliographic	Dr.l.ink	
Date Completed:	_ Integration	Lexis/Nexis	
Searcher Prep & Review Time:	Fulltext	Sequence Systems	
Clerical Prep Time:	Patent Family	WWW/Internet	
Online Time	Other	Other (specify)	

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Maximum Match 100%
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Maximum DB seq length: 20000000000
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Birect Submitted (04-JAN-2002) Production Sequencing Facility, Dec Joint Genome Testitit, 29-5 Mitchell Direc, Walnut Nock, N. 91550, 38-4 (bases too 16977s)
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Jouws,M., Buckintham, J., Chasteen,L., Thempson,J., N., Skib,L.,
Bryant,J., Jesmer,J., Meincke,L., Longmire,J., White,S., Tatum,O.,
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The EST sequences listed match this sequence with an identity of at
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Further information can be found at
2 in "mathics, 1299, 11998)
join(1281, 1380,1299, 11998)
factor "mathics 12" [124.94 | 169, 21 p.
factor "mathics 12" [124.94 | 169, 21 p.
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[20] In Proceedings (127) ACS01826. Cross-State (1037): Proggazing
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Zu Prilland het 1831 A1392 03 i France Leac (2008),16532164
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/urice="markday=150" Alio0589 from 21 ag 1055550115581;"
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/mete "matchen EST BF579253 trom attac EMAGE 4310215"
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/codon_start |
/product "hypothetical_protein"
/protein_d "cavsy140.1"
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join(15, 1445,447, 1515,515, 1540)
/noto "matches EST BE778315 from clone IMAGE: 8866880"
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/note "matches EST HP569390 from clone IMAGE:4310245"
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Zuote "matches EST A1945964 from clone IMAGE:2452022"
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Centre d'Etude du Polymorphisme Humain (CEPH)
27, rue Juliette Dodu 75010 Paris, France
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: habib@cephb.tr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tel: 00 33 1 53 72 50 20 Fax: 00 33 1 53 72 50 58
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                                                                                                                                                                                                                                                                                                                                                     regions were either double stranded or sequenced with an alternate
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on May 2, 2001 this segmence version replaced gi:5650704.
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VECTOR: pCYPAC2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              http.//www.sladional/toopas/home.htm
                                                                                                                                                                                                                                                                    complement(join(5647, .5724,6054, .6141))
. + :> "18812"
                                                                                                                                                                                                                                                                                                                                                                                                             /note "Mik repeat, Watches 75, .ils of complement(join(<5647, .5724,6054, .6141))
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2376.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note-"AluSx repeat: matches 1. .408 of consensus" 4752. .4937
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4115. .4200
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3691.
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/ovidence not_experimental
}oin(6248: 1636,6597: 16868,7362: 17612,13035: 14119)
                                                                                                                                                              /note "Abulb repeat: matches 41, .312 of consensus" 5570, .5607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note-"FLAM_C repeat: matches 5. .133 of consensus" 3411. .3690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /notes"AluSy repeat: matches 1, .305 of consensus"
2757, .2939
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note "AlmSx repeat: matches 115. .812 of consensus" 1546,\ .1858
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/db_xret-"REPD:RPCIP704018337"
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/chromosome~"20"
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/viiko.v not experimental
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3264, .3396
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /clone "RP3-337018"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "AluSx repeat: matches 79. .115 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "Alusp repeat: matches 2, 313 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Mik repeat: matches 155, .254 of consensus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "19 copies Tac: da 81% conserved"
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74cto "3J33558.1"
complement (1410)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Inditch: ESIs: Back856 & EmcAA781[06 EmcB250 | IndiAA]26 [27]
EmcAA47674 EmcAA18256 EmcAA62455 Emc2440 & EmcAA6 [24]
EmcW2240 EmcAA67672 [EmcAA62550 | EmcAA61] | EmcAA6251 |
EmcM2450 EmcAA67672 [EmcAA61] | EmcAA61] | EmcAA6251 |
EmcD20440 EmcAA60767 [Emc194754 [EmcAA62]] | EmcAA61] | EmcAA61 |
EmcD20440 EmcAA60767 [Emc194754 [EmcAA62]] | EmcAA670761 |
EmcAA510720 EmcAA64830 EmcAA6141 | EmcEA62270 |
EmcAA643824 [EmcAA68632 EmcEA62] | EmcAA627120 |
EmcAA643824 [EmcAA68632 EmcEA62] |
EmcAA648824 [EmcAA6863 EmcEA62] |
EmcAA648824 [EmcAA6863 EmcEA62] |
EmcAA64888 [EmcAA6863 EmcEA62] |
EmcAA6488 [EmcAA6863 EmcEA62] |
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/protein_id "cA^36011.1"
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AUTHORG

Muchy, D.M., Adams (1), Adio sduolash, Ali osman, F.E., Allen, (1), Alsbrooks, S.L., Amarat unro, H.C., Are, J.R., Ranks, J. Farbaria, J. Renton, J., Kimaus, K., H. inkenbarg, K., Bonahh, D., Folks, J. Howie, S., Brieva, M., Hrowit, E., Brown, M., Bryant, N.P., Rohay, Y., Burch, F., Rown, M., Bryant, N.P., Rohay, Y., Burch, F., Rown, M., Byd.N., Carron, J.E., Carler, M., Carros, S.F., Cherk, J., Cherk, D., John, G., Chen, C., Chen, Z., Chen, Z., Chen, S., Chen, S., Christopavilos, C., Pleveland, C.P., Cax, Y., Chen, Z., Chen, Z., Chen, Z., Chen, C., Chen, C.,

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Schmitted (27 APR 2000) Human Genome Sequencing Center, begartment of Molecular and Human Geneties, Baylor College of Medicine, one Raylor Flace, Hoston, 18 770 00, USA on eat 14, 2001 this Sequence version replaced 41.11ce4/24.
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Kelly,S., Khan, H., Kiep, L., Keyah, J., Fondatt,S., &n Issen, R., Kelly,S., Khan, H., Kiep, L., Keyah, J., Kegar, P., K., 1981, J., &n enh. A., Landty,N., Landty, L., Lywins, L. C., Keyah, J., Kan, 
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Loulsesped,H., Locado,K.J., Lo,X., Lucier,A., Lucier,P., Luna,K.,
Mt.J., Kaheenwari, M., Mapaa, P., Martin, P., Hertin, E.C.A.,
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Model,B.,
Met,G., Metgert,B., Miner,C., Miner,E., Mitchellit, Modelta

    Phis record will be updated with the finished sequence

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Weanestock, G. and Gibbs, R.

    but privately seed.

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Search completed: July 10, 2002, 01:53:46 Job time: 15147 See

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Adachi, t. Alzawa,K. Akahira,S. Akimura,L. Azeo,H. Aral,A
Arakawa,E. Baldarelli,R. Bono,H. Brownstein,M. Baharaki,C.,
Carninei,L. Erbuda,S. Erbanishi,Y. Ferene,M. Baharaki,L.
Bara,A. Bayatsu,M. Hill,D. Hiramoto,K. Biracka,L. Hori,F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Functional annotation of a full length mouse cDNA collection Matrix 43^\circ, 685/690 (2001)
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RIKEN Yokoloma Institute, 1 7/22 Sachiro cha, isarami ka, Yokolom
Kamaqawa 240 0045, Japan (E-mail accomectes yase,riken.go.jp.
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bulk excision from Lambda FLC L. Cloning sites, '' end: Salt: 8
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NCI_CGAP_COID, NCI_CGAP_KID5, NCI_CGAP_KID12, NCI_CGAP_KID13, NCI_CGAP_KID12, NCI_CGAP_KID1, NCI_CGAP_LOID.

NCI_CGAP_HT2, NCI_CGAP_COB, NCI_CGAP_CILI, NCI_CGAP_LOID.
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Following HAP purification, this DNA was used as tracer in a subtractive hybridization reaction. The driver was PCR amplified clNAs from pools of 5,000 clones made from the same (libraries. The pools consisted of 1.M.A.G.E. clones 297480 (02087), 682642 6872 9.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R. Emmort-Buck, M.D., Ph.D.
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Plasmid DNA from the permalized library WT_CNA_ELIST cas prepared, and ss circles were made in vitro. Following HAP purilication, this DNA was used as tracer in a subtractive hybridization objected to the fiber vis Fy and fibrary from a pool of 5,000 clones made from the same library (clonelDs 142.912-14.594), 1471-68-1472-68-164

[Availo4-14732-68]. Subtraction by Bento Scarcel and M Fatima Bonalds.
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Contuct: Robert Strausherg, Ph.D.
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Email: eqaphs remail.nih.gov
Tissne Procurement: Jettrey E. Green, M.D.
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HCL NAW http://www.stl.nam.cib.j.,neiepap.
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Pollowing HAP purification, this tAA was mad as tracer in a subtractive bybeidization from those The driver was been amplified class from peaks of 5,000 clones maderies the same 4 libraries. The pools consisted of LM.A.G.E. clones 297400 (02007) 682632 6822co, 724408 (2471), and 72000 74109, Subtraction by Bonto Sources and M. Fathea Bantid.
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/Note "organ: pooled; Vector: pl7% #D Pac (Pharmacia) with a modified polylinker: Site 1: Not 1: Site_2: Eco kl; Equal amounts of plasmid DNA from three normalized libraries (tetal lung NDHL/9W, testis NH), and B cell RCH COAF GCB) were mixed, and so citebes were made to
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Contact: Robert Stransberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Insert Length: 814 Std Error: 0.00
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from the same 3 libraties. The pools consisted of
LLMA.G.E. clones 297480 sugues, 682682 687276,
728408-728711, and 729096-7 class, Subtraction by Bonto
Scarcs and M. Edima Bonaldo. "
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cDNA Library Airayed by. The L.M.A.G.E. Consortion (LLNL)

DNA Sequencing by: Incyte Genomics, Inc.

Clone distribution: MCI-CGAP clone distribution intormation can be

cound through the L.M.A.G.E. Consortium/LLNL at:
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Bukuryota; Motazoa: Chordata: Craniata; Vortebuata; Entoleostomi;
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Lissue Procurement: Gilbert Smith, Ph.D.
eDNA_THEORY Propuration: M. Berth Shire, ELLT., H. Futima
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 National Institutes of Health, Mammalian Gene Collection (MGC)
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Claim I: Fade 72-74; 97pp; French.

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Query Match
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Note: The sequence data for this patent did not appear in the printed specification, but was obtained in electronic format directly from Wike
                                  and to produce other types of data and products dependent to INA and amino acid sequences. AASK4197-AASK4641 represent boxel busing diagnostic coding sequences of the invention.

Note: The sequence data for this patent did not appear in the printer
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                                                                        Claim 1; Page 75 77; 97pp; Fronch.
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PXEXE
                                                                                                                                                                                              tor identifying expressed genes. (1) is useful in dene therapy techniques to restore normal activity of (11) or to treat disease states face the (11). (11) is useful for emerating antibodies addined in, detecting quantitating a polypeptide in tissue, as molecular weight markers and as a rood supplement. (11) and its binding partners are useful in medical facing of sixes expressing (11). (1) and (11) are useful for the first indisorders involving aberrant protein expression or biological activity. The polypeptide and polymerical decisions have applications in diagnostics, to ensites, depending of the relation of molations responsible for quartic disorders or other traits to assess by others:
                                                                    and to produce other types of data and products dependent on DNA and amino acid sequences. AAS6417 AAS6454 represent novel human diagnostic coding sequences of the invention.

Note: The sequence data for this patent did not appear in the printed specification, but was obtained in electronic format directly from WHYO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New isolated polymorleotide and encoded polypeptides, useful in diamostics, teremsics, deno mapping, identification of extations responsible for denotic disorders or other traits and to assess
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             polymerase chain reaction (e'b) primers, olidements, and to chromosome and done mapping, and in recombinant production of (II). The
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Sequence 606 bit, 169 A; 265 C; 239 G; 133 1; C other;
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                                                                                                              AAS28556 Standard: DNA; 23580 RP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         P PSDB; AAB4 8067.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAC74446 to AAC77606 encode the proteins given in AAB4233 to AAB4 007, which represent the human oREX open reading frames I to 3161. The OREX sequences have activities such as: cytostatic; hepatotropic; vulnerary;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 5: Page 4838; 5507pp; English.
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                                                       THUSHESÝV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          bacterial or tungal infection, malaria, autoimmune disorders, aschma-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    antidiabetic; hypotemsive; dermatological; immunosuppressive;
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the invention relates to isolated polynocleotide (r) and polypoptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain reaction (PSF) primers, oliqueness, and for chromosome and dene mapping, and in recombinant production of (II). The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; SEQ ID No 14556; 103pp; English
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diagnostics, torowsics, gene mapping, identification of motations
responsible for genetic disorders or other traits and to assess
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(II). (II) is useful for generating antibodies against it, detecting for identifying expressed genes. (1) is useful in gene therapy techniques to restore normal activity of (11) or to treat disease states involving

polymic leotides are also used in diagnostics as expressed sequence tags

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                                                                                                                                                                                         New isolated polymorfeotide and encoded polypeptides, useful in
diagnostics, forensics, gene mapping, identification of mutations
responsible for genetic disorders or other traits and to assess
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the invention relates to isolated polymerleatide (I) and
                                                                   Claim 1; SEQ ID No 27885; 10 9pp; English
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                        AAP$4951 to AAP$4702 cosmic the himat immunication detic antiden (1) amino acid sequences dicent in AAM$2170 to AAP$1521. (1) have obstatic activity, and can be used in some therapy and vaccine production. (1) proteins and polynucleotides may be used in the prevention, diagnosis a treatment of diseases associated with inappropriate (1) expression. For example, they may be used to treat disorders associated with decreased
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expression
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14 - AUG - 2000; 18 - AUG - 2000; 14 - AUG - 2000; 14 - AUG - 2000;

20000US-0225758. 20000US-0225759. 20000US-0225275.

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20000US-0226681. 20000US-0227182. 2000US-0227182.

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2000US-02323981. 2000US-0231968. 2000US-9232397.

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200008-0247047. 200008-0247048. 200008-0247049. 200008-0247040. 200008-0247040.

200008-02373 (7. 200308-02410560. 200308-0241231. 200308-0241785. 200308-0241787.

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200003-0232401. 200008-0233401. 200008-0233064. 200008-0233064.

2000038-0244797. 2000038-0244794. 200008-0245484. 200008-0245834. 200008-0245836. 200008-0245427.

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RESULT 13
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responsible for denetic disorders or other traits and to issess
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                                                                    the invention relates to isolated polymeteotide (1) and golyped tide (11) sequences. (1) is useful as hybridisation probes
                                                                                                                                                                                        Claim 1; SEQ ID No ZUZAO; 103pp; English
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                                    parymetase chain reaction (PTR) primers, oligomets, and ter enromosome
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(I) is useful in gene therapy techniques to restore normal activity of (II) or to treat disease states involving (II). (II) is useful for achievaing antibodies against it, detecting or paintituting a polypeptide in tissue, as molecular weight markers and as a rood supplement. (II) and its binding partners are useful in medical
Sequence 2807 BP: 533 A; 866 C; 856 G; 560 I; 2 other;
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other blood related disorders (sickle cell anaemia), hypergeneitre filter
disorders, primary behavioration disorders, hyperproliferative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Addison's disease), reproductive system disorders, dastrointestinal disorder (inflammatory disorders), liver disorders (circlasia), as stimulators of B cell responsiveness to pathodons, activators of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             transplant rejections and graft versus host disease. Intertious diseases
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AAV62155/c
RESULT 15
                                                                                                                                                                                                                                                           sequence of the invention. This sequence was isolated from HEV-2 strain SNO (deposited as ATCC VK 2546), is designated Config 10-11, and encodes a HSV-2 protein. The protein can be used for the treatment or
Sequence 2341 BP; 347 A; 756 C; 973 G; 265 T; 0 other;
                                                                       response in a mammal.
                                                                                                                                               to identify inhibitors, activators or movel antivitals. Antagonists of
the professes can be used to inhibit a viral polypeptide. The DNA sequen
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                                                                                                               or a vector containing it can also be used to induce an immunological
                                                                                                                                                                                                                           presention of disease, to induce an immunological response in a mammal or
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Zirito. "Xiri unspecifiod mine acid; no stop codon
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Best Local Similarity

7, 38; 49,68,

Score 69.4: DB 19; Length 2341; Fred. No. 0.00035;

Query Match

5 ÷ Ē  $\leq$ Ē Š  $\leq$ Search completed: July 10, 2002, 01:54:32 Jub time: 4752 sec Š **:**: Matthes 179, Conservative 0, Mismatches 181; Indels  $\frac{1}{2} \frac{1}{2} \frac{1}$ 659 coda tao ota agresa este orace Estadacestada ta tactada do la oracidada 718 il 11 il 1 59 forthalastroctical academic shall be declared to the gade of the 598 forthalastroctical academic shall be seen to the gade of the 598 forthalastroctical academic shall be seen to the first of the first shall be seen to the first shall be shall 719 toqueeqeeeqeeqaggeetteqeqqeeqqqaqaqaqeeeqaqaqaqee= 778 9: Saps 0.

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US-08-642255-50

US-08-642255-50

Sephenco 50, Application US/08-642255

Patent, No. 577324

APPLICANT: Application Joseph
APPLICANT: PERRAM; Franco A.

APPLICANT: PERRAM; Franco A.

APPLICANT: ALPESS: 135

CASES; ELDE, AURENSS:

CASES; ELDE, AURENSS: 35

CASES; ELDE, AURENSS: 35

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                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 44-97 base pairs
LYPE: indebte acid
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NAME: Plant, Thomas, G.
REGISTRATION NUMBER: 45,784
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APPLICANT: Kubstoss, Stuart A.
APPLICANT: Kostock, Paul R., Jr.
APPLICANT: Sutton, Kimborly L.
LILLE OF INVENTION, POLYECTION SYMPHASE GENERAL
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FELECOMMUNICATION INFORMATION:
                                                 MOLECULE TYPE: DMA (demomic)
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OPERATING SYSTEM: Macintosh 7.0 SOFTWARE: Microsoft Word 5.1 CURRENT APPLICATION DATA:

APPILICATION NOMBER: 03/68/804,198

FILING DATE:

COMPUTER READABLE FORM: MEDIUM TYPE: Floppy

CHUNTRY:

USA

46285 Z

STATE STREET: ADDRESSEE:

CITY: INDIANAPOLIS

E: PAUL R. CANTRELL 1138 LILLY CORPORATE CENTER

COMPUTER:

Macintosh

Floppy disk

CORRESPONDENCE ADDRESS:

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Patent No. 5756677
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GENERAL INFERMATION:
APPLICANT: Lowis, Randolph V.
APPLICANT: Colvin, Mark
TITLE OF INVENTION: COMAS Each
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ATTORRHY/ASENT INFORMATION:
NAME: Marphy Jr., Scrald
NEXTSTRATION NUMBER: 28,
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LENGTH. 2793 base pairs
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2 Sequence 8, Application US/086805060
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Ouery Match 5.8%; Score 55.4; DB 3; Longth 1347; Best Local Similarity 49.2%; Pred. No. 0.011; Matches 146; Conservative 0; Mismatches 151; Indols 0;
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TITLE OF INVENTION: CHONDROCYTE PROTEINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Patent No. 6008013
                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: 176/60091
CURRENT FILING DATE: 1996-07-08
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TITLE OF INVENTION: CHONDROCYTE PROTEINS
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NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patentin Ver. 2.0
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                                                                                                                                                        ORGANISM: Gallus gallus
                                                                                                                                                                                TYPE: DNA
                                                                                                                                                                                                       LENGTH: 1347
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Sequence 1. Application 05/08/80f80f06.

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GERHRAL INFORMATION.

APPLICANT: Reymolds, Paul R.

TILLE OF INVENTION. SHORDSOFTE F60

FILE REFERENCE: 176/50091
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: OKGANISM: Gallus gallus
IIS-08-65:-506-6
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LENGIH: 1587
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                                                                                                                   APELE'ANT: ROYHOLDS, Panl R.
TILLE OF INVENTED A. SHORDSSTYPE PROTEINS
FILE REFERENCE: 176/60091
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LILLE OF INVENTION OFFENCHERS
FILE REFERENCE: 1756/60091
CURRENT FILING DATE: 1996-07-08
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NUMBER OF SEQ ID N°S: 18
SUFTWARE: Patent In Vot. 2.0
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                                                           APPLICANT: CAPPELLO, Joseph
APPLICANT: FERRARI, Franco A.
ETILE OF INVENTION: High Molecular Weight Colladen Like
TITLE OF INVENTION: Fractella Polymers
NUMBER of SEQUENCES: 1 6
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                                                         FILING DATE: 28-JUT-1997
CLASSIFICATION: 530
AIT-RMEY/AGEN! IN-DRMATION:
NAME: MEYYERS, IROMAS C.
PEDISTRATION NUMBER: 36,989
PEFEKEN-E/TWOKEL MUMBER: CRP-0750V2
FELEN-MMUNICATION INDEMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SUPTIMARE: Patentin Release #1.0, Version #1.30
PURRENT APPLICATION DATA:
APPLICATION NUMBER: US/OH/901,200A
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No. 0.038; thes 165; Conservative of Milaryt Levi 197 (1.6%).
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CLMPUTER: IBM PC compatible
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, Patent No. 6153583
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ADDRESSEE: PATENT ADMINISTRATOR, CREATIVE BIOMOLECULES STREET: 45 SOUTH STREET
                                                                                 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: FANG, ROY H.L.
APPLICANT: COHEN, CHARLES M.
TITLE OF INVENTION: OP3-INDUCED MORPHOGENESIS
NUMBER OF SEQUENCES: 15
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TYPE: nucleic acid
STRANDEDNESS: single
OPERATING SYSTEM: PC-DOS/MS-DOS
                                             COMPUTER:
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'M protein protein search, using sw model

July 9, 2002, 15:14:19 , Weard, time 17:41 Seconds (Without alignments)
1741.068 Million cell apdates/sec

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Pertect score: 11116 US-09-816-697-2 1650

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Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Sear chard: 283138 scqs, 96089334 residues

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Minimum DB seq length: 0 Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%

Maximum Match 100% Listing first 45 summaries

4321 pir1:

Database :

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

### SUMMARIES

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# ALTONMENTS

#### E84534

hypothetical protein At2q15900 [imported] - Arabidopsis thaliana (C)Speciles: Arabidopsis thaliana (monse-car cross) C.Date. 02 Feb 2001 #sequence\_recision 02 Feb 2001 #text\_change 02 Feb 2001 CrAccession: E84534

R;Lin, X.; Kaui, S.; Konnsley, S.D.; Shea, I.P.; Benito, M.I.; Jown, C.D.; Filil, C.Y M.; Koo, H.; Moffat, K.S.; Cronin, L.A.; Shen, M.; VanAken, S.E.; Umayam, L.; Tallon, euss, D.; Nierman, W.C.; White, O.; Elsen, J.A., Salzberg, S.L.; Fraser, C.M.; Venter Nature 402, 761-768, 1999 A:Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana. euss, D.; Nierman, W.C. Nature 402, 761 768, 19

A; Reterence number: A84420; MUID: 20083487 A; Accession: E84534

A; Status: preliminary

A; Molecule type: DNA A; Residues: 1-952 - STO

C;Genetics:

A;Gene: At2q15900 A;Map position: 2

Matches Duery Match Best Local ( y Match 7.1%; Score 117; DB 2; Length 952; Local Similarity 26.3%; Fred. No. 0.25; hes 41; Conservative 25, Mismatches 70; Indels 20; Gaps ď.

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RESULT T41077

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C.Datc. 03 Bee 1959 #sequence\_revision 03 Dec 1959 #text\_change 0 \* Dec 1959
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R.McDougall, R.C. Rajandream, M.A.: Barrell, B.G.: Zimmermann, W.: Warbatt, submitted to the EMBL bata Library, August 1999
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spectrin dipla chain, brain—chicken
NALternate names: calspectin alpha chain; fodrin alpha chain
Cyspectes: Gallus gallus (chicken)
Gybate: G Jun-1991 #Kequence revision G Jun-1991 #text charge G Ara 1997
Cybate: G Jun-1991 #Kequence revision G Jun-1991 #text charge G Ara 1997
Cybaccadolon A30122; A41866, A22723; 802425; 803190
K Wascalos, V.M., Saraste, M., Salven, P.; Erdemaa, M.; Holm, L.; Lehto, V.E.
J. Cell Biol. 108, 1177-1178, 1989
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submitted to the Protein Sequence Database, May 2000
A:Reference number: Z25022
A;Accession: F49735
F: 6.0-465/[comain: spectrin/dystrophin repeat F: 2466-571/homain: spectrin/dystrophin repeat F: 2456-571/homain: spectrin/dystrophin repeat F: 677-782/homain: spectrin/dystrophin repeat F: 783-888/Romain: spectrin/dystrophin repeat
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A; kesidues: 1 2477 - WAz
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N;Alternate names: protein H24B19.70
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J. Cell Biol. 108, 79-93, 1989
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A; Residues: 1 1104 s
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  850 EKYLNOLLLLPDVCHSRELRTFLSO 874
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A.Mollocule type: DNA A.Mollocule type: DAR A.Residues: 1-676 -BAR. A.Residues: 1-676 -BAR. A.Residues: 1-676 -BAR. A.Residues: 1-676 -BAR. A.Residues: 1-676 - BAR. A.Resi
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W.Alternate names: protein 0.13; protein YMB339.15e; protein YMD104;
C.Species: Saecharomyces corevisiae
C.Date: 02 bec 1994 #RG protein_femile; p. 05 Jep 1994 #PG Jep 1994
C.Accession: $47445; $54968; A42649; $51916
A:Tirle: Nuclear and mitochondrial inheritance in yeast depends on nevel cytoplasmic stratifications number: A42636; M:Tr:92322895
A:Accession: A42636
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A:Reterence number: $47445
A:Accession: $47445
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R;McConnell, S.J.; Yaffe, M.P.
J. Cell Biol. 118, 385-395, 1992
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A:Accession: S53968
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A:Cross rotorances obs.104829; MH5:a202012; pH5:AAAA0778.1; pH5:120.3014
C:Moywords: actin binding: cyroskeleton; pF hand
B:A7-152; Pasadia spectribydystrophin repeat homology sP19 c
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E:740-304; Fasadia spectribydystrophin repeat homology sP19 c
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A. Stoks treferences. EMBLA66371, MID.q3715, FILM.-MAA7014.1; PID.q3816
A. N. C. Septem be extra 164 from Mid: La Moment (Moment 1994) 2, Within 1684, Within 1994.
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J. Biol. Chem. 264, 12758-12764, 1989
A:Title: Cloning and analysis of cDNA clones for rat kidney alpha-spectrin.
A:Reference number: A32612: MUID:89827227
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CrSpecies: Rattus morvegicus (Norway rat)
Criato—21 May 1905—ms puemo _rominim=21 May-1905—mtoxt_chango 26 Mop-1999
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A, Residues, 874 1127
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submitted to the IMBL Cata Library, February 1995
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                                                                129 KTEREHILEMENTERKHETMEN EBMIGERRALQEMIGENIALANIWARRREHILERIJE 186
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                                                                                                                                                                                                                                                                                                                                                                                                            y Match 6.2%; Score 102; DR 2;
Escal Similarity 20.4%; Pred. No. 4.4;
Res 64; Ourservative 46; Minimatches 132;
                                                                                                                                                                                                                                                                                                                                               37 POPDOHLDTHSGLSSNSSMTTKELDDYWDNDKORNKHYKLLFEIASAFIFFU-KVSKFV- 94
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C.Species: Home sapieus (man)
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C.Accession, A.C.A. (E.A. A.C.A.)
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A:Residues: 1 1425 - BLU -
A:Cross references: EMBL:AL11027
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C:Keywords: actin binding: EF hand
u:pubs cl./dimmin spectric/dystrophic repeat homology - SPT8 -
F: \tilde{2} \tilde{4} \tilde{2} \tild
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A:Nore: the authors translated the codon GGC for residue 14 as Set, GAX for residue 4
er, AGA for residue 68 as GD, CCG for residue 75 as Leu, and GAX for residue 76 as A
C::Superfamily: spectric alpha chain: calmodulin repeat homology: SHE homology: spectr
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A; Accession: A27671
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A; Residues: 1 475 + LEI +
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A:Map position: Xpl1.23 Xpl1.23
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Query Match

6.0%;

Score 99;

17 90

Length 47%;

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A:Molecule type: mkNA
A:Residues: 'K',1595-1510,7E',1512-1514,7P',1616-1624.'S',1626-1638,7P',1640,7E',1642-1
2-1813,7K',1815-1820,7K',1822-1844,7V',1846-1850-1801-
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A:Accession: 152382
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J. Invest. Dermatol, 97, 883-888, 1991
A:Title: Biochemical Photitication of alpha-todrin and pertoin I.1 in Loman Keratimocyt
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R:Dursterhoett, A.; Lauber, J.; Mewes, H.W.; Gassenhuber, J.; Wiesman. E. submitted to the Protein Sequence Database, May 1999
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R.Diu, C.B., Macreker, C., Castanon, M.J.: Houptmann, R.: Wiebe, G. rroe. Natl. Acad. Sci. U.S.A. 93, 4278-4283, 1996
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### CRESULT IS

conserved hypothetical protein PA2613 (imported) - Pseudomonas acrudinosa (strain PA) of Species: Pseudomonas acrudinosa (crances: Pseudomonas acrudinosa (crances: Pseudomonas acrudinosa) of Crarcession: CB318 (Sep.2000 #sequence\_revision 15 Sep.2000 #text\_change 31-Dec-2000 Crarcession: CB318 K.Stover, v.K., Blank, M., K.J., Frair, Erwin, A.L., Misserchi, E.E., Witterst. E.E. Hickey, M.J., Adman, M., Man, Y., risky, M.J., Erwin, A.L., Misserchi, E.E., Erwin, E.E., Erwin, M.V., Hattie 400, 959-964, 2000 A.Hitter 400, 959-964, 2000 A.Hitter tomplete genome sequence of Pseudomonas acrudinosa PAUI, an opportunistic pa A.Beterchice Lunder, AB2950, MULLI204 9337 A.A. A.B. September 1984 B. September 1984 A.B. September 1984 B. September 1984 B. September 1985 AECross reterences: GB:AE004690; GB:AE004091; NID:g9948678; PIDN:AAG06001.1; GSPDB:GN A:Cross reterences: GB:AE004690; GB:AE004091; NID:g9948678; PIDN:AAG06001.1; GSPDB:GN

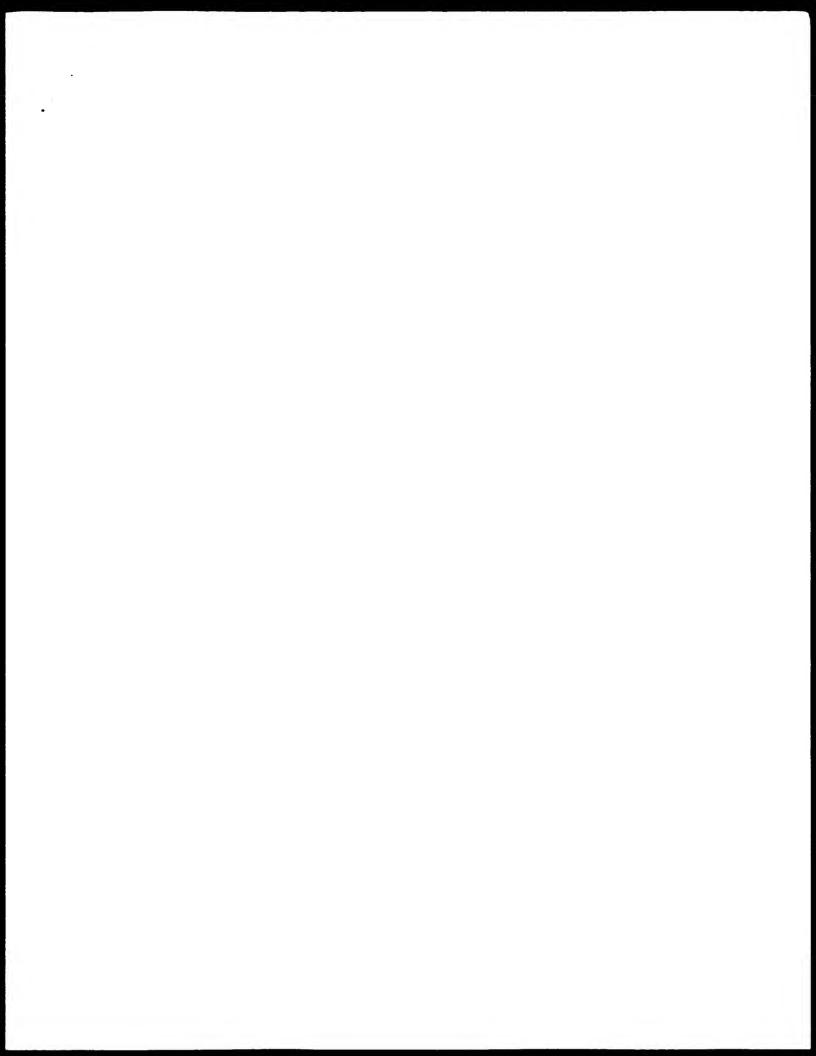
C; Superfamily: Haemophilus influenzae conserved hypothetical protein H11590

C:Genetics: A:Gene: PA2613

A; Experimental source: strain PAO1

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## SHANWINS

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Query Match 7.5%; score 12%; DB 1; Length 42; Best Local Similarity 24.9%; Prod. No. 0.0049; Matches 60; Conservative 23; Mishatches 106; Indels 42;

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65.1; 66.1; c.	s copyright. It is produced the litute of Biointonnative and trices institute. There are no stitutions as long as its consent is not removed. Usage becase iterated (and little likes ensemble to her.	FUNCTION, CASE TO STATE AND THE STAGES OF INTRACELLULAR FUNCTION, MAY BE INVOLVED IN SEVERAL STAGES OF INTRACELLULAR FRAFFICKING, OVEREXPRESSION OF SNXIS DISRUPTS THE NORMAL TRAFFICKING OF PROTEINS FROM THE PLASMA MEMBRANE TO RECYCLING ENDOSOMES OR THE TGN.  ACLIEFACTIVE FRONCIS I SOURCEMENT (SHOWN HULL AND EXSISTAGE ARE PRODUCED BY ALTERNATIVE SPLICING. TISSUE SPECIFICITY: WIDELY EXPRESSED.  SIMILARITY: BELONGS TO THE SOURTING NEXIN FAMILY. SIMILARITY: BELONGS TO THE SOURTING NEXIN FAMILY.	THE TISSUEEPARAM N.A.  SECTION OF THE TRANSPORT OF THE TR	Last sequence update) Last annotation update) ordata; Craniata; Vertebrata; Euteleostomi; imates; Catarrhini; Hominidae; Homo.

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Eukaryota: Metazoa: Chordata: Craniata: Vertebrata: Euteleostomi:
MEDIANE 98022917; PubMed 9356261;
                                          STRUCTURE BY NMR OF 1763 1872.
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"Crystal structure of a Src homology 3 (SH3) domain.":
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Plam; PF00435; Spectrin; 23.
PRINTS; PR06452; SH3D:MAIN.
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I PURCTION. ROMPHOLOGICALLY, STEPTRIN LIKE PROPERRY AFPEAR TO BE RELATED TO SPECTRIN. SHOWING A PLEXIBLE ROD-LIKE STRUCTURE. FOLD AND BOTH AND LIKE STRUCTURE OF DIFFUS IN THE AND ADDITIONAL BOTH ADDITIONAL BOTH AND ADDITIONAL BOTH ADDITIONAL BOTH ADDITIONAL BOTH AND ADDITIONAL BOTH ADDITIONAL
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J. M.J. Biol. 278:740-751(1997).
                                                                                                                                                                                                                                                        KEPEA:
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SMART: SM00150; SPEC; 20.
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"Molecular mechanism of the calcium induced conformational change in
the spectric EF hands,":
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                                                                                                                                                                                                                                                                                                                                                                                                             Capping protein; Calcium-binding; Repeat; SH3 domain; 3b-structure.
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IN ARE MEDIATED FOR MEDIAN FROM THE SERVICES FOR MEDIAN THE RESIDUES REPEALS (F B FOR MEDIAN) ARE HOMOLOGIUS FOR EACH OTHER, N. M. AND C DOMAINS ARE COMPRESS OF SUMMERS THAT DO NOT FORM INVECAL SEPCIALS ARE COMPRESSOR FOR THE SPECIAL FAMILY.

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Structural protein MDM1.
MDM1 OF YML104C OR YM8339.15C
Succharomyces correction (Bake
                                                                       _01846; Q04196;
31-001-1993 (Rel. 27, Created)
16-001-2001 (Rel. 40, Last sequence update)
16-001-2001 (Rel. 40, Last annotation update)
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cornyleian (Bakur's yoast
                                                                                                                                                                                                  STANDARD;
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44; Mismatches 184; Indels 68;
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ET-HAND 1 (POTENTIAL).
ET-HAND 2 (POTENTIAL).
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Matches

49;

Conservative

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HIDTHSGISSN----------SANTEPI--QVYW--QNQKOBWKHVKLLE----

52; Indels

55

Gaps

HULLKAGI ENNEMELKALAKSERTI LIKALAMBALI BERYMVEANGNALARKI KIYI RSYR. 790

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79 -ETASAPTEPRVSKEVVYQTIVI-----QTQSFONNKAVIEKPVSOFARTQKALIKIF 131

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -!- SIMILARITY: TO S.POMBE SPCC16A11.04.
-!- SIMILARITY: CONTAINS 1 PX DOMAIN.
-!- SIMILARITY: CONTAINS 1 PXA DOMAIN.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            "Nuclear and mitochondrial inheritance in yeast depends on novel cytoplasmic structures defined by the MDM1 protein."; J. Cell Biol. 118:385-395(1992).
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Saecharomyeetales; Saecharomyeetaceae; Saecharomyees.
NCBI_TaxID-4932;
                                                                                                                                                                                                                                                                                                                                    DOMAIN
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EMBL; X65783; CAA46664.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL: X80835; CAA56793.1; -.
EMBL: X49210; CAA89114.1; ALT_INIT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        inheritance.
-!- SUBCELLULAR LOCATION: Cytoplasmic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE OF 633 1127 FROM N.A., FUNCTION, AND SUBCELLULAR ESCATIONAMEDLINE-92332595; PubMed=1378448;
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                                                                                                                                                                                                                                                                                                                                                                 DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PIR; A42636; A42636.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           or send an email to licensewish-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           -!- CAUTION: Ref.2 sequence differs from that shown due to a
frameshift in position 638.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Submitted (AUG-1994) to the EMBL/GenBank/DDBJ databases
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    -!- FUNCTION: Essential for mitotic growth. Mediates organelle

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762
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6.2%; Score 102.5;
26.3%; Pred. No. 1.1,
ative 30; Mismatches
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772 C = 7
899 T ->
8063 R ->
081 T ->
096 G ->
129980 MW; 7
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 This SWISS PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Micintornatics and the EMMG outstation the European Micintornatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for communicial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           of APP 1990 (Ref. 14, Created)
Of MAR 2002 (Ref. 41, Last sequence update)
Of MAR 2002 (Ref. 41, Last annotation update)
Spectrin alpha chain, brain (Spectrin, non-crythroid alpha chain)
(Alpha II spectrin) (Fodrin alpha chain).
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                                                                                                                                                                                                                                                                                                                                                                                                              "Clouding and analysis of cDNA clones for rat kidney alpha spectrin.", J. HOL. Chem. 264:12758-12764 (1989).
F. FUNCTION: FORFIL, WHEN SIEMS TO BE INVERTED IN SECRETARY, INTERMEDIATE IN A CALCIUM DEFINITIONAL AND INTERMEDIATE FOR FIRE CARCIUM DEFINITION FOR FIRE SPECIFICATERY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Zhou D., Ursitti J.A., Porter N.C., kandall W.R., Block E.J.; "Expressional elemina of alpha fedrin from rat skeletal memede."; Dubailted (AUS) 1998) to the DMN, Section, 2008, databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             "Structural and functional characterization of the valueddin
calpain binding domains of rat liver alphatt spectrin.";
Submitted (AUC 1996) to the EMBL/Weedwork/DEEU databases.
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Kilomaraki P., Gizzetti P.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                P16086; P70477; O88663;
                                                                                                  EMBL: AFOR4186;
EMBL: JO4828; A
                                                                                                                    EMBL: X5084'5; CAA623'0.1;
EMBL: AF084186; AAC33127.1;
                                                                                                                                                                        or send an email to license ist sib.ch).
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Eukaryota: Metazoa: Chordata; Craniata; Vertebrata; Buteleastomi;
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                                InterPro: [PRO01452; SH3.
                                                                   HSSP; PO7751; IAEY
                                                                                    illia. Asabila. Asabila
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Pfam: PF00435; spectific; 23
Pk.NTS: PR00452; SH3DOMAIN.
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06 KL -> NV (IN REF. 1).
21 COLOARMITOZOT -- HAJPGOPHNESH (IN REF. 3).
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Matches 41
                                                                                                                                                                                                                              Homo sapiens (Human).
Eukaryota: Metazoa: Chordata: Oraniata: Vertebrata: Eutebrostomi:
Mammalia: Eutheria: Primates: Catarrhini: Hominidae: Homo.
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Submitted (SPE-2005) to the EMBLIGHTHAM STAGES OF INTRACTILIBRARY
-1- FURCTION, MAY BE INVOLVED IN SEVERAL STAGES OF INTRACTILIBRARY
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16-0CT-2001 (Rel. 40, Last sequence update)
16-0CT-2001 (Pel. 40, Last annotation update)
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EMBL: J05244: AAA51790.1; -.
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EMBL: M24773: AAA52468.1; -.
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                                                                                                                                        This SWISK-PROT entry is copyright. It is produced through a collaboration between the Swiss institute of Bioinformatics and the HMBL outstation the European Rioinformatics institute. There are no restrictions on its use by non-profit institutions as ion, as its content is in no way modified and this statement is not removed. Usage by and jor communicial
                                                                                                                                                                                                                                                                                                                                                                                              "Association and linkage analyses of the usnerythroid altha spectrin (SPTANI) gene on chromosome '934 with a large Swedish kindred."; Submitted (MAY 1939) to the LANLY-MARGET POWER IN SPECIES. It FUNCTION, FERRIM, WHICH STEMS 75 HE INVOVED IN SPECIES. INTERACTS WITH CALMODULIN IN A CALCIUM REFERRENT MANNER AND IS THEY TAKE LATE IT TO THE TAKENING HER DEFIN MEMBERS OF THE CYTOSKELETON AT THE HAMMENDE.
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McMahon A.P., Glebelhaus D.H., Champion J.E., Bailes J.A., Lacey S.,
Carritt P., Henchman S.K., Moon R.T.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cianci C.D., Morrow J.S.;
"Complete cDNA sequence of human alpha II fetal brain spectrin.";
Submitted (FFF-1997) to the FMSL/GenFank/FDPJ databases.
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[1] Biol. Chem. 265:4427-4433(1990).
                                                                                                                                                                                                                                                                                         -1- SIMILARITY: BELONGS TO THE SPECTRIN FAMILY.
-1- SIMILARITY: CONTAINS 2 EF-HAND CALCUM-KINDING DOMAINS
-1- SIMILARITY: CONTAINS 1 SHR DOMAIN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Murakami N., Speed W.C., Seaman M.I., Zychowski R.L., Wetterberg L.,
Pakstis A.J., Eddjule, Eddd K.M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       modulates its mu-calpain susceptibility Biochemistry 36.57 65(1997).
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                                                                                                     outilies reported a library announce to the liberary or send an email to license tisb-sib.ch).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE-97146462; PubMed 8993318;
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RESULT 7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Saderwald A., Hoesche C., Oschwald R., Killmann M.W.; "The 5°-Hlanking region of the synapsin I gene. A 6-6°-rich, IATA: and CAAT-less, phyloaenetically conserved sequence with cell type-specific promoter function."; J. Biol. Chem. 265:14932-14937(1990).
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01-AUG-1990 (Rel. 15, Created)
01-OCT-1996 (Rel. 34, Last sequence update)
16-OCT-2001 (Rel. 40, Last annotation update)
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FUNDATION: REDRESSAL PRESENCIETA THAT COATS SYNAPTIC VESTICES, GINERAL PROCESSAL PROCESSAL
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16 OCT 2001 (Rel. 40, Created)
16 OCT 2001 (Rel. 40, Last sequence update)
16-CCT-2001 (Rel. 40, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This SWISS PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMML outstallor the European Bioinformatics institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way madified and this statement is not removed. Usage by and for commercial entities reprises a linear profit is not removed. Usage by and for commercial or send an email to license is subject).
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"Identification of eleven novel human sorting nexin molecules. A sub-
group of the sorting nexin family is associated with the early
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Kakaryota, Metazoa, Chordata, Staniata, Vertebrata, Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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-1- SIMILARITY: CONTAINS 1 PHOX HOMOLOGY (PX) DOMAIN.
! CAUTION: 11 IS UNCERTAIN WHETHER MEE 1 OR MET 7 IS THE INITIATOR.
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                                                                                      116 KYSTFAKIÇKATIKTEKEETETVEFPKKHLIGNFAEEMITEKKKALQEYI. GLIYAI--
59 RYRHFYMINE_T_RRY-ACTVPVPHINERSTEFGISDHEIHKFRQHDHEIHKVHQSVV1L 117
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Hum. Mol. Cenet. 5:1549-1546(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                    Bainer J.W., koman F., Ketler R., Roynlegek G.A., Kernseker L.,
Muss W., Hametner R., Klaustegger A., Haber A., Pohla Sabe G.,
Wiehe G., Ditto J., Hintner H.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIANE 95-012447; PubMed 8698233;
Mediana W.H.L., Pulkkhoet E., Smith P.J.D., Roda E.E., Jane E.K.,
Bullieh F., Burgeson K.E., Amano S., Hudson D.L., Owariha K.,
Mediath J.A., MeMillan J.R., Eady R.A.J., Leigh L.M., Christiano A.M.,
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Pulkkings L., Smith F.J.D., Shim
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Proc. Natl. Acad. Sci. U.S.A. 93:4278-428:(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  chromosome localization (8q24).";
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Mammalia; Entheria; Primates; Catarrhini; Hominidae; Homo.
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Q15149; Q16640; Q15148;
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SUBDITE HOMOTIMER OF HOMOTETRAMER.
ALTERNATIVE PRODUCTS: 3 ISOFORMS; 1 (SHOWN HERE), 2 AND 3; ARE PRODUCTD 69 ALTERNATIVE SPLICTING.
                                                                                           FILAMENTS NETWORK, PET ALSO IN THE RESULATION OF THESE SYMANGS
                                                                                                                                                                                         J. Pathol. 158:617-625(2001).

FUNCTION: INTEKLINKS INTERMEDIATE FILAMENTS WITH MICROFUNGLES AND MICROFULAMENTS TO GESMOSOMES OF HEMILIES MORES FOR STANDING OF HEMILIES OF HE
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SMART; SM00150; SPEC; 43.

FRESTE; FS00020; ACTINEN; FALSE_REG.

FRESTE; FS00020; ACTINEN_2, FALSE_REG.

FRESTE; FS500221; CH; 2.
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1. SIMILARITY CONTAINS I ACTEM PURDEM DEMAIN.

1. SIMILARITY CONTAINS 2 CALIFBRIN REPEATS.

1. SIMILARITY CONTAINS 3 PLETTIN REPEATS.

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                                                                                                                                                                                                                                                                                                                                                                                                                                      SMART; SM00083; CH; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Plam; PF00681; Plectin_repeat; 19
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InterPro: IPR001715; calponin_hom.
InterPro: IPR001101; Plectin_repeat.
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DOMAIN: THE N TERMITUS INTERACTS WITH ACTIN, THE C TERMINDS WITH VIMINITY. TERMING CEAL, CYTOSHRACINS, LAMIN B; WHEREAS HOTH THE N-ARD THE C TERMINDS CAN BIND INTEGRIN BETA 4.

PTM. PROSPHORYLATED BY CDC2; MUSCLATES DISSECTATION FROM
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Submittled (MAY 1993) to the RMSL/Genbank/DBO databases.
FUNCTION, MAY BE INVELVED IN SEVERAL STACES OF INTRACELLULAR
TRAFFICKING.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09Y5X1: 09HJH6: 09HF20:
16 orT 2001 (Red. 40, Created)
16 orT 2001 (Red. 40, Last sequence update)
16 orT 2001 (Red. 40, Last annotation update)
Sorting mexics (SRC and rx desain containing protein 1) (see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NVWLH
the European Bioinformatics Institute.
                                                                                                                                                                                                                                                                       Submitted (III 1968) to the EMMI_SSenBask_SSBJ database
                                                                                                                                                                                                                                                                                                                                Ramanathan G., Subramaniam V.N., Hond W.;
                                                                                                                                                                                                                                                                                                                                                               SEQUENCE OF 201 595 FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "Interaction of the metalloprofease disintegrins MD29 and MD215 with two SH3 domain containing profeins, endophilin 1 and SH321.":
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 group of the sorting nexin family is associated with the early
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                             "Human SDPL.";
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE OF 101 S49 FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDILINE 2000270%; Indomed 10% 11479;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Identification of eleven novel human sorting nexim molecules. A sub-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCBI TaxID 9606;
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                                                                                                          SIMILARCIY, BELARGE TO THE SAFETH REXIDERATIFY. SIMILARCITY, CONTAINS FOR DOMAIN.
                                                                                                                                                                                                                                        FUNCTION: MAY BE INVOLVED IN SEVERAL STAGES OF INTRACELLULAR
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28.5%; Pred. No. 0.9;
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There are no restrictions on
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                          Midsh, b., brichmatsu b., hata k., ito l., ran Q. W., Kage Y., Fabomaki Y., Sakaki Y., Takoshiqe K., Sumimoto H.; "Takoshiqe k., Sumimoto H.; "Takoshiqe and yaqtasanin sdimeter p PT(ph.s.) and p<sup>e</sup>T(ph.s.). SH3 domain containing proteins involved in the phagacyte NADPH exidase complex.":
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                                                                                                                                                                                                                                                                                                                                                                                                       00 MAY-2000 (Rel. 35, Last sequence update)
01 MAK-2002 (Rel. 41, Last annotation update)
Neutrophil cytosol factor 4 (NCF-4) (Neutrophil NADPH oxidase factor
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SMART; SM00326; SH3; 1.
PROSITE; PS50002; SH3; 1.
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                                                                                                                TISSUE-Loukemia;
MEDLINE 98149672; PubMed 9490028;
                                                                                                                                                                                                    "Cloning and chromosomal localization of net4, the mouse homologue of p40 p40 p...";
                                                                                                                                                                                                                                    MEDILINE 97152411; PubMed 8995189;
                                                                                                                                                                                                                                                                                                      NCBI_TaxID 10090;
                                                                                                                                                                                                                                                                                                                      Mammalia; Entherna; Rodentia; Sciuroquathi; Muridae;
                                                                                                                                                                                                                                                                                                                                      Bukaryota:
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Pfam; PF00018; SH3; 1
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EMBL: AI:076957; AAD43001.1;
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EMBL: AF131214, AAF04473.1;
                                                                                                                                                    SHOURNER TROM M.A.
                                                                                                                                                                                                                                                                    SHOURNCE PROM M.A.
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Entherna; Kodentia: Sciuroquathi; Muridae; Muribae; Mus
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ETT. J. BIOCHEM. COMESNINT OF THE NABEL SXIDASE, A MELTIC SHE NEW ENZYMP

J. Biochem. 251:573-582(1998)

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                                                                                                SNX7
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01-MAR-2002 (Ref. 41, Last sequence update)
01-MAR-2002 (Ref. 41, Last annotation update)
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Mus masembus (Mouse).
Eukaryota: Metazoa: Chordata: Cranfata: Vertebrata: Egrelessioni:
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Q9CY18;
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Pfam: PF00787; PX; 1.
Pfam: PF00018; SH3; 1
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InterPro: IPR000270; OPR.
InterPro: IPR001683; PX.
InterPro: IPR001452; SH3.
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23.9%; Prod. No. 0.92;
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STANDARD;

095219; 16-001-2001 (Rel. 40, Created) 16-001-2001 (Rel. 40, Last sequence update) 16-001-2001 (Rel. 40, Last annotation update)

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                                                                                                                                                                                                                                                                                                                                                                               or send an email to licensewisb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                       This SWISS-PROJ entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMHL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FUNCTION MAY BE INVOLVED IN SEVERAL STACES OF ENTRAPELIZIONAN TRAFFICKING (By Similarity).
-i- SIMILARITY: HELLONGS TO THE SORTING NEXIN FAMILY.
-i- SIMILARITY: CONTAINS I PHOX HOMOLOGY (PX) DOMAIN.
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Arakawa T., Hara A., Yukunishi Y., Kongo H., Adachi J., Pukuda S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               S.EACH ("75EL/6J: HISSUE Embryonic liver; MEDIINE 210#5660; PubMed 11217851;
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Blaffackl A., Kanazir S.D., Wagner M.A., Perin M.S., do camilli P.,
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Plan: PE02750; Synapsin:C: 1.
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EMBO J. 17:977-984(1998).
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Essey L., Wang C.R., Rosaka M., Shaqula C.S., Suedhot T.C.,
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# SUMMARIES

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                                                                                                                                          Matches 105; Conservative 45; Mismatches 123; Indole
                                                                                                                                                                                               COUNTY Match 25.4%; Score 419; DB 4; Length (72)
Hest Local Similarity (5.8%; Pred. No. 16.28;
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Best Local Similarity
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InterPro; IPRO01440; TPR.
PLam; PRO0545; IPR; I.
SMART; SMOO3L2; PX; I.
SMART; SMOO3L3; PX; I.
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Buk nyeto: Met Gea: Cherdita; Crimiata: Vedichada; Entelegatemi:
Mammalia: Entheria; Primates: Cataritini: Hominidae: Homes.
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01 JUN 2001 (TrEMBLICH, 19, Last annotation update)
0.04 CF018.4 (NOVEL PROTEIN).
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"A new member (SNXEE) of the softling health of the Fill submitted (JUN 2001) to the EMBG/Stenbank/DDRJ databases.

EMBG AF9196 4. BAR41 07.1,

EMBG AF95844: AAK7 025.1;

EMBG AF95844: AAK7 025.1;
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Best Local Similarity
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SEQUENCE: 473 AA; 41365 MW; 83E4A752BAAFA765 clc664;
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01-187-2301 (TERMILIPOL 19, Last separate spdate)
01-186-2001 (TERMILIPOL 19, Last annotation update)
mar uncl. AG 11-4 KGA EKSTEHH (GHAZI).
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Submitted (PAY 2001) t. the BMB, Sooke k, TURC databases
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Mammadia, Ertheria, Primates; Catarrhini; Hominidae; Homo.
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StapleSon M. Brokstein P. Haarl, Agbagari A. Parland P.

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Gonzalez M., Guarin H., Li P., Liao G., Mirando A., Minsall C.J.,

Rindo J., Farleb J., Paranas V. Brok E. Physician P. S.

Yu C., Levis S.L., Falsh and M. Stalker S.

Supplified (AT 2001) C. Co. PMEL Table P. Er Hard Lace
                                                                                                                         Drosophila melanodaster (Fruit II).
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FA Einmel R.E. Kedina 1. Larger S.H. Kland M.P. miles J. Laid Y.

FA Einmel R.E. Kedina 1. Larger R. Laid M. Flack Y. Laid Y.

FA Ein X. Mattel B. McIntosh I.C. McLeod M.P. McHerson D.

RA Ein X. Mattel B. McIntosh I.C. McLeod M.P. McHerson D.

RA McEntlow S. Milekino R.V. McLariy J. McLeod M.P. McHerol A.

RA McEntlow M. Moy H. McHerol Y. McLariy J. McLeod J. McLeod D. L.

RA McEntlow D. R. McIsson K.A. Nixon K. Nusskern D. K. Laideb J. M.

RA McHerol E. K. Kemington K. Samders R. D.C. Scheeler F. Shen H.

RA Rollnert K. Kemington K. Samders R.D.C. Scheeler F. Smith I.

FA Shire E. J. Scheelen J. Samders R.D.C. Scheeler F. Smith I.

FA Shire E. Spradling A.C. Stapleton M. Strong K. Smith I.

FA Shires B. Tester J. Latter B. Weinster F. Wang A. H. Wing X.

RA Wang Z. Y. Wassarman D. A. Weinster K. G.M. Weissenbach J.

RA Wang Z. Y. Wassarman D. A. Weinster K. G.M. Weissenbach J.

RA Williams S.M. Weedate T. Worley K.C. Wu D. Yand S. Yao C.A.

RA Williams S.M. Weedate T. Worley K.C. Wu D. Yand S. Smith H.D.

RA Nobel Y D. Saverl J. S. Zhan M. Zhang G. Zhao Q. Zheng L.

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RA Adams M.D. Colnikor S.E. Li F.W. Hoskins K.A. Galle K.F.,
RA Amanatides P.G. Schurer S.E. Li F.W. Hoskins K.A. Galle K.F.,
RA Amanatides P.G. Schurer S.E. Li F.W. Hoskins K.A. Galle K.F.,
RA Grorge R.A. Lowis S.E., Kichards S. Ashburner M. Henderson S.N.
RA Grorge R.A. Lowis S.E., Yandell M.D. Zhang Q. Chen L.X.
RA Hiddon R.C., Wortman J.R. Yandell M.D. Zhang Q. Chen L.X.
RA Hiddon R.C., Wortman J.R. J. Andrews Planckoch C. Baldwin D.
RA Mallow P.M. Passy A. Pascordio I. Bryrktarvell I. Horslay E.M.,
RA Hollow P.M. Passy A. Pascordio I. Bryrktarvell I. Horslay E.M.,
RA Hollow P.M. Passy A. Pascordio I. Bryrktarvell I. Horslay E.M.,
RA Hollow P.M. Passy A. Pascordio I. Bryrktarvell I. Horslay E.M.,
RA Horlis K.C. Husam D.A. Buller H. Cadlen E. Center A. Chandra I.,
RA Glory J.M. Galler S. Faller H. Gadlen E. Center A. Chandra I.,
RA Horlis K.C. Husam D.A. Buller H. Cadlen E. Center A. Chandra I.,
RA Glory J.M. Galler K. Denges M. Baya A.D. Dow I. Bletz S.M.,
RA Horlis K.C. Husam D.A. Fuller H. Galler E. Dunkov H.C. Dunn P.
RA Hurbin K.J. Evangelista C.C. Ferriaz C. Ferriaz S. Fleischmann W.,
RA Foster C. Galler E. Garell J., Sa E. Galler J. Harris M.,
RA Hostin D. Honston K.A. Howland T.J. Wei M. Harris M.,
RA Hostin D. Honston K.A. Howland T.J. Wei M. Harris K.A. Katchin Z. Land R. Aller R. Katchin E. Land R. Kat
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Science 287:2185-2195(2000).

EMBL: AE003582; AAF51213.1; -. Elybase: EBgn00:1457; CG3077.
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11.2%; score 185.5;
27.7%; Pred. No. 2.5
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                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                  Q91WE] PRELIMINARY; rac, Q91WE];
Q91WE];
Q91WE];
Q1 DEC 2001 (TrEMBLECT, 19, Created)
O1 DEC 2001 (TrEMBLECT, 19, Last sequence update)
O1 DEC 2001 (TrEMBLECT, 19, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIJINE 9739/562: PabMed 9253601;
Guru S.C., Aqarwal S.K., Manickam P., Olulowi S.-E., Crabiree J.S.,
Weisemann J.M., Kester M., Kim Y.S., Emmert Buck M.K., Liolta L.A.,
Reisemann J.M., Bequski M., Roe H.A., Collins F.S., Burns A.L.,
Spicapi A. M., Bequski M., Roe H.A., Collins F.S., Burns A.L.,
Mar. 3 1. Characterethmap for the 2.8 Mb region containing the multiple
"A transcript map for the 2.8 Mb region containing the multiple
                                                                                     Submitted (OCT 2001) to the EMBL/GenBank/DDBJ databases EMBL; BC016091; AAH16091.1; Hypothetical protein.
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01.JAN 1998 (TERMBLECT, 05, Last sequence update)
01.JNN 2901 (TERMBLECT, 25, Last anastation update)
HYPOTHETICAL 17.8 KDA PROTEIN.
                                                                        SECUENCE:
                                                                                                                                         TISSUE EYE, AND RETINA;
Strausberg K :
                                                                                                                                                                                SEQUENCE FROM N.A.
                                                                                                                                                                                                              NCBI_TaxID-10090;
                                                                                                                                                                                                                                Mammalia; Entheria; Rodentia; Sciurognathi; Muridae; Murimae; Mus.
                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Enteleostomi;
                                                                                                                                                                                                                                                                       Mos mosculos (Moose)
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Genome Res. 7:725-735(1997).
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Mammalia: Enteria: Primates: Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            78 FELASAM FERMANSKEVVAG TV HOTOSETNINKAVHLEMANSDE AKTOKALLIK TEMBELED. 137
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    152 AA; 17784 MW;
                                                                        3 37 AA;
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                                                                      3/7/42 MW;
 7.4%; Score 122; DB 1
27.5%; Pred. No. 0.011;
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                                                                      743923E18ED9EP4B CRC64;
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                PB 11;
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                  Length 33;
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Bost Local Similarity
                                                                                                                                                                                                                                                           Mutches
                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL; AF139461; AAD32668.1;
EMBL; AY044655; AAK98769.1;
EMBL; BC010886; AAH10886.1;
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(1-x0V-1999 (TrEMBLECT, 12, Last sequence update)
01-DEC-2001 (TrEMBLECT, 15, Last annotation update)
HYP-THELICAL 15.8 KLA INCIDIA (GASCING MEXIB SEXIA) (CIMILAR TO GREET)
                                                                                                                                                                                                                                                                                                                                              SMART: SM00312; PX; 1.
Hypothetical protein.
SEQUENCE 169 AA; 198
                                                                                                                                                                                                                                                                                                                                                                                                Ptam; PF00787; PX; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Strausberg R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE PROM M.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Zhang W., Wan F., Cao X.;
"Hypothetical human protein SHB131.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MCBI_TualD 9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukarysta: Metazoa; Chordata; Craniata; Vertebrata; Enteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TISSUE LUNG CARCINOMA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Substituted ( D. 2001) 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hong W.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "SBBI31 as a new member (SNX24) of the sorting nexin family.";
                                                  111 AESC 114
                                                                                   192 AFGC 195
                                                                                                                                                    139 CFPKKHLTGMFAEEMICERRRALQEYLGLLYAIRCVRRSRE----FLDFLT----RPELRE 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 124 --- RGGEVTRPSEVSRDLRILP 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 194 GCLRAGOYPRALELL - - LKVLP 213
                                                                                                                     5.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 * YTVSDPETHPKGYTEYKVTAGEISKKOPEDIKEVVVWKRYSDTRKLHGDLAYTHRKLERK 72
                                                                                                                                                                                                                      80 LASARTEERKYSK-FYVYÖTTYTÖTÖSFINNKAVLERPYSDFAKTÓKALLKTERFETEDV 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7 * LEGETALPRAGVICKFRASVERERKGARDLLÆFTVITTALRIG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   78 FELASARIEERKVSKFVVYQIIVIQTGSFINNKAVLERRYSDFAKLQKALLKTFREELED 137
                                                                                                                  IPSFRYEESDLERGYTVFKIEVLMNG----RKHFVEKRYSEFHALHKKIKKC----IKTP 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   VE----PPEKHLTGNEAEEMICEERRALQEYIGHLYAIRCVERSREELDELTRPELREAE 19:
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                                                                                                                                                                                                                                                                                                                                               19818 MW; 651B3964493AFE5D CRC64;
                                                                                                                                                                                                                                                                          7.2%; Score 118; DB 32.3%; Pred. No. 0.01;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              the FMP1, TemBank, TDDBJ databases.
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                                                                                                                                                                                                                                                                                            DB 4; Length 169;
                                                                                                                                                                                                                                                           40:
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RESULT Q9USULT ACCOUNTS OF THE COUNTS OF THE
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Best Local S
Matches 41
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A12G15900.
Arabidopsis thaliana (Mouse-ear cress).
ElParyora: Viridiplantae: Strophophyta: Phbryophyta: Trachophyta: Spermatophyta: Manusluphyta: endicatyladosa, cara cada ata, Rasidaes: prassicaceae, Arabidopsis.
                                                                                                                01-MAY-2000 (TrEMBLIE). 13, Created)
01-MAY-2000 (TrEMBLIE) 13. Law paperson update)
01-007-2001 (TrEMBLIE) 18. Law paperson update)
HYPOIHETICAL 117.0 KDA PROTEIN C16A11.04 IN CHROMOSOME III.
SPYCHAAII 04
Schirowarcharomyces pambe (Fission yeast)
Eukaryota: Fundi: Ascomyceta: Schirowarcharomyces:
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Lin X Kaul S. Pounsley S. D. Shea T. P. Ponito M.-T. Pown o. D.
Fujii C.Y., Mason T.M., Bowman C.L., Barnstrod M. E., Fridhlyss T.V.,
Burell C.R., Ketchum K.A., Lee J.J., Rotting C.M., Rochel, Mcffatt R.S.,
Cronin I.A., Shen M., VanAken S.E., Umayam L., Tailon L.J., Gill J.E.,
Adams M.D., Carrera A.T. Croasy E.H., Goodman H.M., Somerville o.P.,
Copenhaver G.F., Froiss S., Michan W.C., White O., Eisen J.A.,
Salzberg S.L., Fraser C.M., Venter J.C.,
"Sequence and analysis of chromosome 2 of the plant Archibysis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OBXIM1:
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Pfam: PF02194; PXA; 1.
SMART: SM00312; PX; 1.
SMART: SM00313; PXA; 1.
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01-NOV-1999 (TEPMBLIEL 12, Last sequence update)
01-DEO-2001 (TEPMBLIEL 19, LOST SHEETT FOR SPECIAL
                             SANGE CITACL INCA
                                                              Schizosammharomysetales, Schizosamcharomysetaceae, schizosammharomyons
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                                                                                                                                                                                                                                                                                                                       Q9USN1;
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Fred. W. S.
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1:12;
ues 70;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 952,
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REFERENCE OF THE PROPERTY OF T
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Pest (ccal)
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InterPro: TIRO03342, NGS.
Plan; Pr00727; PX; 1.
Fidn; Pr00727; PX; 1.
Fidn; Pr00615; RGS; 1.
SMART; SM00313; PX; 1.
SMART; SM00313; PX; 1.
SMART; SM00313; PGS; 1.
FP08ITE: PS50132; PGS; 1.
FP08ITE: PS50132; PGS; 1.
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01-DEC-2001
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CARBOHYD
SEQUENCE
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CARBOHYD
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CAPBOHYD
STRAIN-Y, ON BW SP;
Stapleton M., Brokstein P., Hong L., Agbayani A., Carlson J.,
Champo N., Chawel S., Porsett V., Parfan D., Prisc B., Okorgo
Gonzalez M., Guarin H., Li P., Liao G., Miranda A., Mungall C
                                                                                                                                                                                                                                                                                                                                                                                                                               095883
                                                                                                                                                        Prosophila melanowaster (Fruit fly).
Fokaryeta, Metares, Arthrefeda; Tracheata; Hexapoda; Insecta;
Pterygota; Neoptera; Endopterygota, Elptera; Brachycera; Musc
Ephydroidea; Drosophilidae; Drosophila.
NCBL_TaxID-7227;
                                                                                                                                                                                                                                                                                                                             01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
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EMBL; AL109957; CAB53076.1; -.
                                                                                                              SEQUENCE FROM N.A
                                                                                                                                                                                                                                                                                   CG8726
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PELOOYWONOKOPWKHVKII FEIASARIFFFKVSK-----FVVYOIIV--IOTGSEDNN 109
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             IFR003114; PX_acsoc.
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N-LINKEL (GLONAC. . ) (POTENTIAL).
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; Pred. No. 0.16;
35; Mismatches
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RA Administrations P.C., School S.E., Richards S., Ashburner M., Henderson S.N.,
RA Administration G.G., Worthan J.R., Yandell M.D., Zhang Q., Chom L.X.,
RA Sutton G.G., Worthan J.R., Yandell M.D., Zhang Q., Chom L.X.,
RA Sutton G.G., Worthan J.R., Yandell M.D., Zhang Q., Chompo M., Heilton B.D.,
RA Sutton R.C., Boyle C., Harlor E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Wan K.H., Doyle C., Harlor E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Wan K.H., Doyle C., Harlor E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Wan K.H., Doyle C., Harlor E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Wan K.H., Doyle C., Harlor E.G., Helt G., Nelson C.R., Miklos G.L.G.,
RA Wan K.H., Doyle C., Harlor E.G., Melt G., Nelson C.R., Miklos G., Lo,
RA Wan K.H., Doyle C., Harlor E.G., Helt G., Nelson C.R., Miklos G., Lo,
RA Wan K.Y., Henos P.V., Herman B.P., Rahndari D., Realthawy E.H.,
RA Burtis K.C., Hessam to A. Burtis H., Godself P., Realthawy E.H.,
RA Hortis K.C., Helcher A., Dent G., Mays A.G., Daw L., Gott P.,
RA Chorry J.M., Cawley S., Dahlko C., Payropoy L., Le, Dayley E.H.,
RA Glodes K., Doup L.E., Downes M., Dudan Rocha S. Burker B.C., Daws E.,
RA Glodes A., Gong P., Gorrell J.H., Gi Z., Ghan P., Harris M.,
RA Glodes A., Gong P., Gorrell J.H., Gi Z., Ghan P., Harris M.,
RA Glodes A., Gong P., Gorrell J.H., Gi Z., Ghan P., Harris M.,
RA Glodes A., Gong P., Gorrell J.H., Gi Z., Ghan P., Harris M.,
RA Glodes A., Gong P., Gorrell J.H., Gi Z., Ghan P., Harris M.,
RA Kilmod B.E., Rollins C.A., Howland T.J., Wei M.-H., Degard M.A., Method M.,
RA Kilmod B.E., Rollins C.A., Howland T.J., Wei M.-H., Degard M.A.,
RA Kilmod B.E., Rollins C.A., Howland T.J., Wei M.-H., Degard M.A.,
RA Kilmod B.E., Rollins C.A., Howland T.J., Wei M.-H., Derich V., Louse M.G.,
RA Melson B.R., Rollins C.A., Howland T.J., Wei M.-H., Derich V., Degard M.G.,
RA Melson B.R., Rollins C.A., Howland T.J., Wei M.-H., Derich V., Degard M.G.,
RA Melson B.R., Rollins C.A., Howley E., Marke
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Sylliskas R., Toetor C., Pulhor R., Venter E., Wang A.H., Wang X., Williams E. Y., Wilsonman D.A., Weinstebe C.M., Weissens bet. J. Williams S. M., Weissens D.A., Weilsey K.C., Who D., Yang S., Vent.A., To. L., Yeh R., F., Zareri J.S., Zhon M., Zhang G., Zhoo G., Zhon G., Zhong X.H., Zhong Y.H., Zhong W., Zhon X., Zho S., Zho A., Smith H.S., Zhong X.H., Zhong Y.H., Zhong W., Zhon X., Zho S., Zho A., Smith H.S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          brosophila melanoqaster (Pruit Ily).
Bukuryota: Metazoa: Arthrepoda: Tracheata: Hexapoda: Insecti:
Eterydota: Meophera: Eudopterydota: Dipleta: Krachycera: Muscomorpha:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Adams M.D., Celniker S.F.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ephydroidea; brosophilidae; brosophila.
NCBI faxII: 7227;
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of MAY-2000 (TrEMBLEEL, 13, List sequence update)
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Yu C., Lewis S.E., Rubin G.M., Celniker S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRAIN BERKELEY:
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Prod. No. 0.051;
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                                                                                                               Best Local Similarity
                                                                                                                                                                                                                                                                                                                           MEDILNE 21045660: PubMed 11217861;
Kawai J., Shibadawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,
Kawai J., Shibadawa A., Shibata K., Yoshino M., Itoh M., Ishii Y.,
Alabasa F., Ishin A., Pakaishi Y., Karasa R., Karajo S., Yanganaka J.,
Alawa F., Ishin M., Nishi K., Kiyos wa H., Karajo S., Yanganaka J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01 JUN 2001 (TERMBLEEL 17, Created)
01 JUN 2001 (TERMBLEEL 17, Last sequence update)
01 DBC 2001 (TERMBLEEL 19, Last annotation update)
57 004 811681K PROTEIN (2810011K15RIK PROTEIN).
5.7 004 811681K PROTEIN (2810011K15RIK PROTEIN).
              Mills Mill:1916474; 18810011K1568k
Mills: Mill:1921957; 5730433116Kik
                                          PWRIT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Cibbs R.A., Myers E.W., Rubin G.M., Venter J.C.,
"The genome sequence of brosophila melanogaster.",
Edicare 287,2185 2195(2000).
                                                         EMBL: AKO17610; BAB30838
                                                                        "Proportional annotation of a full length magne cDNA collection.": Matrix 469.685/696(2001).
                                                                                                        Hayashizaki Y.;
                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                      NCB1_LaxID-10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Enkaryota: Metazoa: Chordata: Craniata: Vertebrata: Enteleosfomi:
Mammalia: Entheria: Rodentia: Scinroquathi: Muridae: Murinae: Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus (Mouse).
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CMART: SMCC (12; PX; 1
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IEEEP; Q12923; 3FDZ.
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 interlete;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AK012711; BAB28427.1;
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                                                                                                                                                                                                                                                                                                                                                                                            157BL/6J; TISSUE EMBRYO
 Tirkoulfas; FX.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          6.5%, Secret 114.5, 138
25.9%, Prod. No. 0.071;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gest Local Similarity (28.5%) Fred. No. 6.11:
                                                                                                                                                                                                                                                          COOSTS (TEMBLEL 61, Treated) of NoV-1996 (TEMBLEL 61, Treated) of NoV-1996 (TEMBLEL 01, Last sequence update) of DEC-2001 (TEMBLEL 19, Last annotation update) NOVERTHROSE ALPHA-SPECTRIN MRNA (TRASMENT).
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                                                                                                                                                                                                             Gallus gailus (Chicken).
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Mammalia: Eutheria: Primater - Streetsin' (1898) to 1898
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                                                                                                         Enkaryota; Metazoa; Chordata; Craniata; Vertebruta; Enteleostomi;
Archosauria; Aves; Neomathae; Gallitormes; Phasianidae; Plasianimae;
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NCHI_faxID 5031;
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Proc. Natt. Acad. Sci. U.S.A. 82:5671-5675(1985).
EMBL: M11953, AAA159271.1; ...
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SEQUENCE 47: AA; 5:734 MW; BBDED9506493984B CRC64;
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# SUMMARIES

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Best Local Similarity 100.0%; Pred. No. 1.9e 163;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           the IBD:prox protein is in proximaty to a gene encoding inflammatory bowel disease I (IBDI) protein, which is associated with intestinal inflammatory disease. The IBDI gene is probably involved in regulation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   of apoptosis and activation of NF kappa 6. The 1801 and IRD prox polymetrotides are is useful as source of probes and primers, as source of (anti)sense offoameterotides, for recombinant production of polypeptides, and in screening for interactive compounds. The
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                                                                                                                                                                                                                                                                                          the presence of or predisposition to, or preventing a treation pathological conditions associated with an ORFX-associated disorder, the nucleic acids can be used to express OMFX proteins in tene therapy vectors. The proteins and nucleic acids may be used to treat curecis.
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ABG27894 standard; Protein; 580 AA

ABG27894;

18-PEB-2002 (first entry)

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Unery Match 19.6%; Score 324; DB 22; Length 186; Best Local Similarity 100.0%; Pred. No. 1.6e-25; Matches 6%; Conservative 0; Mismatches 0; Indels
                                                                                                                                   example, they may be used to treat disorders associated with decreased expression by rectifying mutalions or deletions in a patient's genome that afrect the activity of (1) by expression inactive protons or to supplement the patients own production of (1). Additionally, (1) polymeteorides may be used to produce the secreted (1), by inserting the markete actal into a heat cell and culturing the cell to express the protoin. (1) proteins and polymeteorides may be used to prevent diagrams and treat immunification of the related diseases, especially cancers and concernectations of haematopoletic derived cells. AAMS-200 to AAMS-200 the present the present invention. AAMS-204 to AAMS-200 the present invention. AAMS-204 to AAMS-200 and AAMS-210 to the present invention. AAMS-204 to AAMS-200 and AAMS-210 to the present invention.
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                                                                                                                                                                                                                                                                                                                                                  activity, and can be used in dene therapy and vaccine production. (1) proteins and polynucleodides may be used in the prevention, diamnesis
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                                                                                                                                                                                                                                                                                                                                                                                  diagnostic amino acid sequences of the invention, never manual Note: the sequence data for this patent did not appear in the printed specification, but was obtained in electranic format directly from WIP- of the WIPS int(p.k) at the Alpa t_sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (11). (11) is useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and is tood supplement. (11) and its binding partners are useful in medical
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The sequence data for this patent did not appear in the printed specification, but was obtained in electronic format directly from WIPO appears of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  K.* isolated polymolectide and encoded polypeptides, useful in
disamostics, foreasies, which mapping, identification of mutations
responsible for genetic disorders or other traits and to assess
bindiversity.
                                                                                                                                                                                                    AAU17487 standard; Protein; 173 AA
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Neuroprofectives cytostatics dermatological; immunosuppressives timest;

Novel signal transduction pathway protein, Seq ID 1052.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cost arrhythmia), respiratory disorders, dermatological disorders, in wound healths, epithelial cell proliferation, endocrine disorders (e.e. Addison's disease), reproductive system disorders of proliferation disorder (intlammatory disorders), liver disorders (circlosis), as stimulators of R-cell responsiveness to pathodens, activates of induce higher attinity antibodies, and as a means to induce
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          disorders (e.g. Gaucher's disease and cameer), hedrodesen lative disorders (e.g. AltActher's disease, Farkhad's disactions. In accommodation of the disorders (e.g. Altace), renal disorders (e.g. glomerulonephritis), cardiovascular disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  tumour proliteration in pathologies e.g. acquired immune deticiency syndrome (AIDS). AAH17959-AAD17694 represent novel stand transduction pathway protein, amino acid sequences of the invention.
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                       Drosophila melanogaster polypeptide SEQ ID N: 5778.
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08-DEC-2000;
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AAB45187

AAB45187 standard; Protein; 168 AA

Human; secreted protein, immonosuppressive, antiarthritic, antichemmati-antiproliferative; sylestatic; cardiant; vasetropic; corebrepretective; modelopic, meanoprotective, antibacterial, liquide, functions can enopthalmalogical: autoimmune disease; hyperproliferative disorder:

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Buban secreted protein sequence encoded by dene 15 SEQ II Not128

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Best Local Similarity
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(ABB57737 ABB72072).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          insecticides, therapeutics and pharmacentical druds. The invention discloses acrossic idBA sequences (ABLIG176 AbiJG11), expressed IdAN sequences (ABLIG1840-ABLIG175) and the encoded proteins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to an isolated models acid detection reagent capable of detecting love or more genes from Proscopilla. The invention useful in developmental biology and in elacidating cell signalling and cell-cell interactions in higher eakaryotes for the development of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         23 MAR-2000; 2000US-191647P
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pharmaceutical.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New isolated nucleic acid detection reagent for detecting 1000 or more
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to which they are bounderous. The dense and proteins have activities dependent on the tissues and cells in which they are expressed, Examples of their activities include immunosuppressive, antiarthrities antirhound ic) antiprolliterative; cytostable; cardinat; vasstupic; correbroprotective; mootropic; neuroprotective; antibacterial; virusdistrandicide; and optialmatemoticide; The secreted proteins, polynucleotides, antiaqunists and apolists may be useful as activities, proceeding to 1/2; diamonsing diseases and diseases and diseases and diseases and diseases are attributed at the first feed solders of the broast of five, cardiovascular disorders of activities, byperprolliferative disorders and activities of cardiovascular disorders of activities are secured.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ordans before transplantation, for supporting cell culture of primary tissues, to redemend tissues and in chemotaxia. He pelpel lass can also be used as a tood additive or preservative to increase or decrease storage capabilities. AACHS522-CHS580 and AARHS18 corneast sequences used in the isolation and characterisation of the genes and proteins of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       system disorders e.g. Alzheimer's disease, intections caused by bacteria, viruses and bunch and ocular disorders e.g. corneal intection. The polypoptides can also be used to aid wound healing and epithelial cell proliferation, to prevent skin aging due to santence, to maintain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Polymucleotide sequences AAC80531 C80580 represent cDNA encoding human secreted proteins AAR45120 B45169, Sequences AAB45170 B45225 represent alternative polypeptides encoded by the general and unitar wild sequences
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preventing, treating or ameliorating a disorder, e.g. Altheboe's
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to novel isolated polypeptides (1), and polypurcieofides (41), (1), (11) and the antibody to (1) are useful to: diadnosina, presenting and treating diseases including immune system disorders (e.g. congenital and acquired immunodeficiencies, autonomoune disorders (e.g. rheumatoid arthritis), inflammatory conditions, organizationsplant rejections and graft versus host disease, intections disease.
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prognosing disorders related to the proteins, including cancers, immun
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diagnostics, torensies, gene mapping, identification of mutations
responsible tor genetic disorders or other traits and to assess
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                                                                                                                                                                                                                                                                                       at 1tp.wipo.int/pub/published pet_sequences.
                                                                                                                                                                                                                                                                                                          Note: The sequence data for this patent did not appear in the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                   diagnostic amino acid sequences of the invention.
                                                                                                                                                                                                                                                                                                                                                                    and to produce other types of data and products dependent on DNA and mino acid segmences. ARCOUNTY ARCHUST? represent never howen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (11). (11) is useful for generating antibodies against it, detecting or
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                                                                                                                                                                                                                                                                                                                             Obery Match 6.5%; Geore 107; DB 22; Length 520;
Hest Local Similarity 27.6%; Pred. No. 0.042;
Matches 43; Conservative 22; Mismatches 59; Indels 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signalling and cell cell
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Note: The sequence data for this patent did not appear in the frinted specification, but was obtained in electronic format directly from Wibs
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27 pppdapa - 1 - 1891 tarq balatak banda bapat tabah banda kipan banda b
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US-39-413-814-80
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110-07 No. 5804412
1ERBAL INFORMATION:
APPLICANI: Gill, Gordon N.
APPLICANI: Gill, Gordon N.
APPLICANI: Kurton, Elebard C.
APPLICANI: Cabena, Gordon N.
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Hest Local Similarity 21.1%; Pred. No. 3.2;
Matches 75; Conseredition 84 Misserbeig 106; hebrs 11m; tips
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FILE EFFERSEN FORCES (22448
CURRENT APPLICATION TENNETE, UT/95,412,811
CURRENT FILING DATE: 1999-10-07
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NUMBER OF SECTIO NOS: 107
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APPLICANT: Mueller, Joachim
APPLICANI: keichenbach, Hans
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                                     SPIWARE: Patenth Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION PUMPER. UE/18/725/722
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POMPULER: IBM PT compatible
PERALING SYSTEM. PT DOS/MS-DOS
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; Patent No. 6075125
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HS:08-890 719-12
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APPLICANT: Hunt, Henry b
APPLICANT: Fulton, Janet
Ouery Match 5.2%; Score 85; DR 3; Length 33B; Bost Local Similarity 24.2%; Pred. No. 0.39; Matches 54; Conservative 24; Mismatches 67; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Production of Antisera Specific to Major TITLE of INVENTION. Historomyatikility complex Moreovica in Chickens Film Edwinesman, 1st 2004 f. Mc 1 arry b. Bacon et al. COKKENT ANTICALLAR NUMBER, US/On/ASS, 717A
CURRENT FILMS DATE: 1997-07-09
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PARLIER FILING DATE: 1996-07-10
NUMBER OF SEQ ID NOS: 49
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48, Mismatches 114; Indels 95; Gaps
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INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
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APPLICANT Korinek, Vladimir
APPLICANT Morin, Patrice
APPLICANT Mozler, Kenneth
APPLICANT Vogelstein, Bert
APPLICANT Sparks, Andrew
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[1] Fig. [1]
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FILE REFERENCE: 1107.79741
COURSENT APPLICATION PUMBER: 08,707.00.2076
CHERENT HILLOG CALE: 1998-09.20
EARLIER APPLICATION NUMBER: 08/82], 655
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COMPUTER: Haw BC compatible

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SOFTMARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA

ACTILICATION DATA: U.5.08,7625,422

FILING DATE: 01 APR-1996

CLASSIFICATION: 4.45
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 27-MAF-1996
INFORMATION FOR SEQ ID NO: 9:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US 98/620,353
FILING DATE: 27 MAR-1396
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 98/620,852
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                              MELECULE TYPE: pr
HYPOTHELICAL: NO
SKISTINAL SOURCE:
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Tills of Invention. Sigma Factor From My. Chacterium tabellalesis.
Requisition thereof
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107 FIDEERGY - QEFTIFAMETYVESTIKEVERCHYSTYHVEKETHET WYLVYSACTT 1 1407. 10
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; Patent No. 5837457
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                                                                                                                                                                                                                                          Query Match 4.9%; score 81; DB 2; Length 816; Best focal Similarity 21.9%; Pred. No. 4.3; Matches 80; Conservative II. Mismatches 12%; Endels 182; Caps
                                                                                                                                                                                                                                                                                 Query Match
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computer: IBM PC computable
oPERATIN: SYSIEM: PC-0.05/MS-DOS
SOTUNARD: Patentin Release #1.0, Version #1.25
CURKENT APPLICATION DATA:
Application recons
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APPLICANT: Collins, Francis S.
AFFLICANT: Sixiliano, Michael J.
AFFLICANT: Clario Michael J.
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ATTORNEY/AGENI INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION:
413 FALICOMERNET, EDECLES ENÇASES AKLEDEVKMIJADEN ÇA SIGEÇABISINER KILLI (1747)
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                                                                                                                                                                AAA BILLATAH CAN
                                                                              WAY TAFAFE CORAGE ARAGEMANDO OF THEMOFASMS OVER RETWEEN SOLDERS AT 2
                                                                                                                                                                               TECHNIC AMINO ACID
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September 25, 1995
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Topology: Linear
MOLEOUIS TYPE: protein
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ALFORNMY/ARTH TWE-BMATTON:
NAME: Smith, D-AGD F.
NAME: Smith, D-AGD F.
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CHROENT APPLICATION DATA:
APPLICATION NUMBER: USCON/742,92 (A
FILING DATE: No. 5859611cmber 1, 1996
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APPLICANT: Collins, Francis S.
APPLICANT: Siciliano, Michael J.
APPLICANT: Claston, bayid
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313 EAEAREKETKALITIARALEKALIEKEEL ERTNEMLKAEMEINLVSSKIT (VICKUTENELEKIK 412
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